

3430 Evaluation

June 16, 1980

Annual Progress Report: Effect of Precommercial
Thinning in Armillaria-infected Douglas-fir
Plantations on the Blue River RD, Willamette NF

Forest Supervisor, Willamette NF

In May 1978, ten 1/4 acre plots were established on the Blue River Ranger District, Willamette National Forest, to monitor the effects of precommercial thinning in 10- to 20-year-old Douglas-fir plantations infected by Armillaria root rot. The ten plots are located in two units: 4-321 (T. 18 S., R. 5 E., sec. 9) and H-602 (T. 18 S., R. 5 E., sec. 17).

Two years following installation, 14 of 389 (3.6%) crop trees in thinned plots were killed (11 by Armillaria, 2 by black-stain root disease, 1 by deer). In plots left unthinned, 8 of 380 (2.1%) crop trees were killed (7 by Armillaria, 1 by black-stain). It is premature to draw any conclusions from these data, and only after several years will the data be of value. In the interim, annual progress reports will be submitted by FIDM.

for James S. Hadfield

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